

SONY**DSC-W1**

Cyber-shot® Digital Still Camera

**FEATURES****1/1.8" 5.1 Megapixel Super HAD™ CCD**

Super HAD (Hole Accumulation Diode) CCDs provide excellent image quality by allowing more light to pass to each pixel, increasing sensitivity and reducing noise.

3X Optical/2X Digital/6X Total Zoom

Optical zoom helps you fill the frame with your subject for better pictures. And Sony's Precision Digital Zoom helps bring your subject closer with an extra 2X magnification.

0 – 12.0X Smart Zoom™ Feature (at VGA Resolution)

The Smart Zoom feature intelligently uses the full CCD to let you zoom into the portion of interest by cropping the image size – thus avoiding the image degradation of Digital Zooms.

Carl Zeiss® Vario-Tessar® Lens

The Vario-Tessar lens is specially produced for very compact cameras. This specialized design allows quick auto-focus, appealing zoom range while still maintaining a compact design.

Real Imaging Processor

The innovative Real Imaging Processor in the DSC-W1 not only improves picture quality and clarity but also improves camera response time, decreases shutter lag and improves battery stamina.

▶ 2.5" LCD Monitor

The extra-large high-resolution 123K LCD Monitor makes framing shots and reviewing pictures easy.

Live Histogram Display

Available in capture and playback the Live Histogram Displays the concentration of pixels at each luminosity value making it easy to evaluate correct exposure.

14-Bit DXP A/D Conversion

Sony's 14-bit Digital EXtended Processor captures the range between highlight and shadow with up to 16,384 values, for extended dynamic contrast and detail.

▶ STEP-UP FEATURE**5 Area Multi-Point Auto Focus**

By evaluating 5 separate focus areas of the frame, Sony's Multi-Point AF system can intelligently focus on the subject and avoid mistakenly focusing on the background.

Manual Exposure Mode

Manual Exposure Mode provides extended control with 46-step adjustable Shutter speed (30 – 1/1000 sec.), and 2-step Aperture control.

AF (Auto Focus) Illuminator

Briefly illuminating the subject, in low- or no-light conditions, the AF Illuminator helps establish a positive focus lock.

Selectable Focus Mode

Monitoring AF (Auto Focus) helps you anticipate the action by focusing even before you press the shutter release.

Multi-Pattern Measuring

Independently light-metering 49 points of the frame, Multi-Pattern Measuring establishes the optimum exposure, even when highlight and shadow isn't centered in the frame.

Scene Selection Mode

With 6 Scene Modes, parameters can be matched to the shooting conditions. Choose from one of the following: Twilight, Twilight Portrait, Landscape, Soft Snap, Candle, or Beach.

Pre-Flash Metering

With a momentary pre-flash, the camera illuminates the subject and sets exposure through the lens for accurate flash metering. Adjustable flash level and red-eye reduction ensure great flash shots.

Slow Shutter Noise Reduction

During long exposures, Slow Shutter NR captures the scene, and then the CCD noise pattern with a dark frame exposure. By subtracting the two, even long exposures can be clear.

Memory Stick® Media and Memory Stick PRO™ Media

MEMORY STICK

Digital. Powerful. Transportable.™ Memory Stick® media is compact, portable and rugged – connecting a variety of hardware and software applications.

9 Shot Burst Mode

Capture up to 9 shots (fine) or 16 shots (standard) at 1.6 frame/sec. even at 5 MP resolution. Perfect for high speed subjects or fast moving action such as sports.

Multi-Burst Mode

Captures 16 320 x 240 frames as part of a single 1280 x 960 image which plays back sequentially in the camera. Selectable 1/7.5, 1/15, 1/30 second.

MPEG Movie VX Standard/Fine Mode with Audio

Captures VGA (640 x 480) high frame rate (up to 30 frames per second) audio/video clips with length limited only by the capacity of the media. Video mail mode captures smaller file sizes suitable for email.

Conversion Lens Compatible

With VAD-WA adaptor, you can add tele- or wide- conversion lenses for greater magnification or wider field of view, as well as protective and special effect filters.

PictBridge™ Compatibility

Connect to any PictBridge™ compatible printer with the supplied USB cable and print directly from the camera. Images can be viewed and selected for printing right on the camera's LCD, with menus for print quantity, date and index print.

Rechargeable AA NiMH Batteries

The high capacity 2100 mAh AA NiMH batteries provide reliable, long-lasting power for continuous shooting. The supplied BC-CS2 charger provides a convenient way to charge the batteries.

DSC-W1

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ADDITIONAL FEATURES

3:2 Aspect Ratio Mode
Adjustable Color Saturation/Contrast
Audio/Video Output

Clear Color/Clear Luminance NR
MPEG1 Cue, Review and Divide
Supports High Speed USB 2.0

SPECIFICATIONS

Imaging Device: 1/1.8" 5.1 Megapixel Super HAD™ CCD
Recording Media: Memory Stick® Media, Memory Stick PRO™ Media
Lens Construction: 7 Elements in 5 Groups, 3 Aspheric Elements
Zoom: 3X Optical
Smart Zoom™ Feature: 0 – 4.0X (at VGA Resolution), 12X Total
Digital Zoom: Precision, 0 – 2.0X Range, 6X Total
Filter Diameter: 30mm, by required VAD-WA adaptor
Focal Length: 7.9 – 23.7mm
35mm Equivalent: 38 – 114mm
Aperture Range: f2.8 – f5.6 (W); f5.2 – f10 (T)
Auto Focus: 5 Area Multi-Point AF, Center AF, 5-Step Manual
Minimum Focus Distance: 19.7" (50cm)
Macro Focus Distance: 3.9" (10cm)
Shutter Speed: 1/8 – 1/1000 sec. (auto)
2 – 1/1000 sec. (twilight)
30 – 1/1000 sec. (manual)
Exposure Compensation: +/- 2.0 EV, 1/3 EV Steps
Color LCD: 2.5" 123K Pixel LCD Screen
Flash Modes: Auto/Forced On/Forced Off/Slow Synchro
Red-Eye Reduction: On/Off
Flash Effective Range: 1.6 – 12.5 ft. (0.5 – 3.8m)
White Balance: Auto, Daylight, Cloudy, Fluorescent, Incandescent
Burst Mode: 9 Shot (JPEG fine), 16 Shot (JPEG std.), 1.6fps
Picture Effects: Sepia, Black & White
ISO: Auto, 100, 200, 400
Scene Modes: Twilight, Twilight Portrait, Landscape, Soft Snap, Candle, Beach
Self-Timer: Yes, 10 Seconds
Audio/Video Output: Yes, NTSC/PAL Selectable
Still Image Modes: Normal (JPEG Fine/Standard), Burst, Multi-Burst
MPEG Movie Modes: MPEG VX Fine with Audio (640 x 480 at 30fps),
(MPEG VX Fine requires Memory Stick PRO media)
MPEG VX Standard with Audio (640 x 480 at 16fps),
Video Mail (160 x 112 at 8fps) with Audio
Microphone/Speaker: Yes/Yes
USB Terminal: Yes, Supports USB 2.0
Memory Stick PRO™ Media Compatibility: Tested to support up to 1GB media capacity; does not support Access Control security function
Compatible Battery: "AA" NiMH, Alkaline
Supplied Software: Picture Package™ for Sony v1.0 (Windows), Pixela™ ImageMixer VCD2 (Macintosh), SPVD-012.1 USB Driver, Cyber-shot Life tutorial (Windows)
OS Compatibility: Microsoft® Windows® 98/98SE/Me/ 2000/XP Home/XP Pro
Macintosh® OS 9.1/9.2/X (10.0, 10.1, 10.2, 10.3)
Supplied Accessories: NH-AA-DA Rechargeable AA Batteries, BC-CS2 Battery Charger, A/V and USB Cables, Wrist Strap, MSA-32A 32MB Memory Stick Media, Software CD-ROM
Dimensions: 3 9/16" x 2 3/8" x 1 7/16" (91 x 60 x 36mm)
Weight: 6.9 oz (189g) Body; 9.2 oz. (250g) Body w/Battery, Media, Wrist Strap



JPEG STILL IMAGE MODE

Fine/Standard Picture Quality

Memory Stick® Media¹	2592x1944 (5.1 MP)	2592x1728 (3:2)	2048x1536 (3 MP)	1280x960 (1 MP)	640x480 (VGA)
16MB	6/11	6/11	10/18	24/46	97/243
32MB	12/23	12/23	20/37	50/93	196/491
64MB	25/48	25/48	41/74	101/187	394/895
128MB	51/96	51/96	82/149	202/376	790/1,975
Memory Stick PRO™ Media¹					
256MB	92/174	92/174	148/264	357/649	1,428/3,571
512MB	188/354	188/354	302/537	726/1,320	2,904/7,261
1GB	384/723	384/723	617/1,097	1,482/2,694	5,928/14,821



MPEG MOVIE MODE

Maximum Storage Time

Memory Stick® Media	MPEG VX (640x480) Fine	MPEG VX (640x480) Standard	Video Mail (160x112)
16MB	–	42s	11m 36s
32MB	–	1m 27s	23m 30s
64MB	–	2m 54s	47m 15s
128MB	–	5m 54s	1h 34m 45s
Memory Stick PRO™ Media			
256MB	2m 57s	10m 42s	2h 51m 21s
512MB	6m 2s	21m 47s	5h 48m 28s
1GB	12m 20s	44m 27	11h 51m 21s

OPTIONAL ACCESSORIES

ACC-CS3P Starter Kit (AC-LS5, LCS-CP2, NH-AA-2DA, BC-CSQ)
NH-AA-2DA/4DA Rechargeable NiMH Batteries (2pk/4pk)
VAD-WA Conversion Lens Adaptor Mount
VCL-DH0730 Wide Angle Conversion Lens*
VCL-DH2630 Super Telephoto Conversion Lens*
VCL-DH1730 Telephoto Conversion Lens*
HVL-FSL1B External Slave Flash w/ Bracket
LCM-WA "Just Fit" Carrying Case
LCS-CSD General Carrying Case
LCD-WA Casual Case

LCH-MA Memory Stick® Media Carrying Case
MSA-32A, MSA-64A, MSA-128A Memory Stick® Media
MSA-128S2 Memory Stick® Media with Select Function (256MB total)
MSA-256, MSX-512, MSX-1G Memory Stick PRO™ Media
MSAC-US30 Memory Stick PRO™ Media USB Adaptor
*VAD-WA Conversion Lens Adaptor Mount Required



CAMERA WITH OPTIONAL ACCESSORIES

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¹ Available storage capacity of Memory Stick and Memory Stick PRO media may vary. A portion of the memory is used for data management functions. Actual available memory in MBs is: 16=15, 32=30, 64=61, 128=123, 256=220, 512=460, 1GB=940MB

SONY

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